

Docket No. 221519US0PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Seiko HIRANO, et al.

SERIAL NO: New US PCT application based on PCT/JP00/06913

GAU:

FILED: Herewith

EXAMINER:

FOR: GENES FOR HEAT RESISTANT ENZYMES OF AMINO ACID BIOSYNTHETIC PATHWAY DERIVED FROM THERMOPHILIC CORYNEFORM BACTERIA

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 221519US0PCT		SERIAL NO. New US PCT application based on PCT/JP00/06913	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Seiko HIRANO, et al.			
FILING DATE Herewith				GROUP			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	AA	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AB						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AC	7-63383 ✓	07/12/95	JP			No
	AD	4-4887 ✓	01/09/92	JP			No
	AE	5-56782 ✓	03/09/93	JP			No
	AF	92/18635 ✓	10/29/92	WO			No
	AG	94/08016 ✓	04/14/94	WO			No
	AH	96/32484		WO			No
	AI	95/23224 ✓	08/31/95	WO			No
	AJ	10-234371	09/08/98	JP			No
	AK	7-121227 ✓	12/25/95	JP			No
	AL	99/18228 ~	04/15/99	WO			No
	AM	10-165180 ✓	06/23/98	JP			No
	AN	2-291276 ✓	04/18/90	JP			No
	AO	11-196887 ✓	07/27/99	JP			No
	AP	8-66189 ✓	03/12/96	JP			No
	AQ	97/48790 ✓	12/24/97	WO			No
	AR	95/34672 ✓	12/21/95	WO			No
	AS	6-502548 ✓	03/24/94	JP			No
	AT	8-196280 ✓	08/06/96	JP			No
	AU	5-244958 ✓	09/24/93	JP			No
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AV	K. TAKAI et al.: "PPC, the gene for phosphoenolpyruvate carboxylase from an extremely thermophilic bacterium, rhodothermus obamensis: cloning, sequencing and overexpression in Escherichia coli" MICROBIOLOGY, vol. 144, no. 5, pages 1423-1434 1989 ✓					
	AW	D. WERECKE et al.: "Cloning and sequence analysis of the gene encoding isocitrate lyase from Rhodococcus fascians" GENE, vol. 145, no. 1, pages 109-114 1994 ✓					
	AX	W. JAGER et al.: "A Corynebacterium glutamicum gene encoding a two-domain protein similar to biotin carboxylases and biotin-carboxyl-carrier proteins" ARCH. MICROBIOL., vol. 166, no. 2, pages 977-984 1996 ✓					
	AY	S. DONADIO et al.: "Erythromycin production in saccharopolyspora erythraea does not require a functional propionyl-CoA carbocylase" MOL. MICROBIOL., vol. 19, pages 977-984 1996 ✓					Additional References sheet(s) attached
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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				FILING DATE Herewith		GROUP	
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AZ	E. KUMURA et al.: "Molecular cloning of a novel gene, dtsR, which rescues the detergent sensitivity of a mutant derived from <i>Brevibacterium lactofermentum</i> " BIOSCI. BIOTECHNOL. BIOCHEM., vol. 60, pages 1565-1570 1996 ✓					
	AAA	A.M. ALVES et al.: "Characterization and phylogeny of the pfp gene of <i>Amycolatopsis methanolica</i> encoding PPI-dependent phosphofructokinase" J. BACTERIOL., vol. 178, pages 149-155 1996 ✓					
	AAB	A.M.C.R. ALVES et al.: "Identification of ATP-dependent phosphofructokinase as a regulatory step in the glycolytic pathway of the actinomycete <i>Streptomyces coelicolor</i> " APPL. ENVIRON. MICROBIOL., vol. 63, pages 951-956 1997 ✓					
	AAC	W. KRONEMEYER et al.: "Structure of the gluABCD cluster encoding the glutamate uptake system of <i>Corynebacterium glutamicum</i> " J. BACTERIOL., vol. 177, pages 1152-1158 1995 ✓					
	AAD	C. ROLLIN et al.: "13C-NMR studies of <i>Corynebacterium melassecola</i> metabolic pathways" EUR. J. BIOCHEM., vol. 227, no. 1-2, pages 488-493 1995 ✓					
	AAE	S. HEIN et al.: "Biochemical and molecular characterization of the <i>Alcaligenes eutrophus</i> pyruvate dehydrogenase complex and identification of new type of dihydrolipoamide dehydrogenase" J. BACTERIOL., vol. 176, pages 4394-4408 1994 ✓					
	AAF	P.E. STEPHENS et al.: "The pyruvate dehydrogenase complex of <i>Escherichia coli</i> K12. Nucleotide sequence encoding the pyruvate dehydrogenase component" EURO. J. BIOCHEM., vol. 133, pages 155-162 1983 ✓					
	AAG	M.P. RUKLISH et al.: "The functioning of the tricarboxylic acid cycle in <i>Brevibacterium flavum</i> and <i>Micrococcus glutamicus</i> " MIKROBIOLOGIA, vol. 56, no. 5, pages 759-763 1987 ✓					
	AAH	J.M. MENGAUD et al.: "The major iron-containing protein of <i>Legionella pneumophila</i> is an aconitase homologous with the human iron-responsive element-binding protein" J. BACTERIOL., vol. 175, pages 5666-5676 1993 ✓					
	AAI	C. PRODROMOU et al.: "The aconitase of <i>Escherichia coli</i> . Nucleotide sequence of the aconitase gene and amino sequence similarity with mitochondrial isopropylmalate isomerases" EUR. J. BIOCHEM., vol. 204, pages 599-609 1992 ✓					
	AAJ	B.J. EIKMANN et al.: "Cloning, sequence analysis, expression, and inactivation of the <i>Corynebacterium glutamicum</i> icd gene encoding isocitrate dehydrogenase and biochemical characterization of the enzyme" J. BACTERIOL., vol. 177, pages 774-782 1993 ✓					
	AAK	A. ISHI et al.: "Genes encoding two isocitrate dehydrogenase isozymes of a psychrophilic bacterium, <i>Vibrio</i> sp. Strain ABE-1" J. BACTERIOL., vol. 175, pages 6873-6880 1993 ✓					
	AAL	B.J. EIKMANN et al.: " <i>Corynebacterium glutamicum</i> lpd gene, complete CDS" GENBANK ACC. NO. Y16642 02/01/99					
	AAM	E.R. BOERMANN et al.: "Molecular analysis of the <i>Corynebacterium glutamicum</i> gdh gene encoding glutamate dehydrogenase" MOL. MICROBIOL., vol. 6, pages 317-326 1992 ✓					
	AAN	B.J. EIKMANN et al.: "Nucleotide sequence, expression and transcriptional analysis of the <i>Corynebacterium glutamicum</i> gltA gene encoding citrate synthase" MICROBIOLOGY, vol. 140, pages 1817-1828 1994 ✓					
	AAO	M.A. PARDO et al.: "Nodulation ability of <i>Rhizobium tropici</i> is conditioned by plasmid-encoded citrate synthase" MOL. MICROBIOL., vol. 11, pages 315-321 1994 ✓					
Examiner				Date Considered			